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(74) Agent: VOLIN, Marina, E.; Caesar, Rivise, Bernstein, Cohen & Pokotilow, LTD., Seven Penn Center, 1635 Market Street, 11th Floor, Philadelphia, PA 19103 (US).

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(71) Applicants (for all designated States except US): **THE CHILDREN'S HOSPITAL OF PHILADELPHIA** [US/US]; 34th Street and Civic Center Boulevard, Philadelphia, PA 19104 (US). **THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA** [US/US]; 3160 Chestnut Street, Suite 200, Philadelphia, PA 19104 (US).

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(72) Inventors; and

(75) Inventors/Applicants (for US only): **SHASTRI, Venkatram, P.** [IN/US]; 1134 N. Bethlehem Pike, Lower Gwynedd, PA 19002 (US). **GOOCH, Keith, J.** [US/US]; 43 Letitia, Media, PA 19063 (US). **NICHOL, Jason, W.** [US/US]; 56 S. Canal Street, Yardley, PA 19067 (US).

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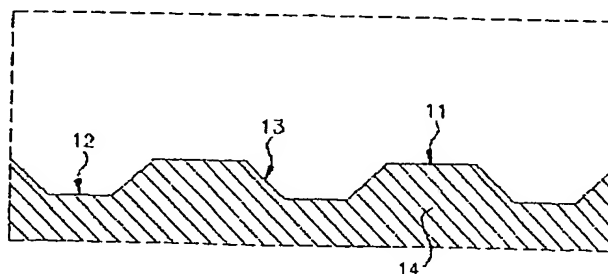
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(54) Title: RETENTION OF ENDOTHELIAL CELLS ON VASCULAR GRAFTS



(57) Abstract: An implantable device including a surface containing a plurality of first zones and a plurality of second zones depressed relative to the first zones so as to provide valleys below a plane defined by the first zones, wherein a first zone to second zone width ratio is non-random throughout the device; and a biologically active agent in the valley, wherein the device is adapted to be implanted within an organism such that when said surface is subjected to a flow causing a fluid-induced shear stress, the second zone has a reduced level of the fluid-induced shear stress relative to the first zone in an amount adequate to selectively retain the biologically active agent within the valley.

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